

**REMOVAL AND INSTALLATION (Continued)****Installation**

1. Loosely install resonator to muffler.
2. Install new flex joint gasket.
3. Install resonator and muffler assembly to converter outlet flex joint.
4. Align exhaust system to specification. Ensure muffler and resonator are fully engaged. Tighten all nuts and bolts, starting at front of system, to specification. Refer to Exhaust illustration.
5. Check system for leaks and lower vehicle.

**Muffler Assembly****Removal**

1. Raise vehicle. Refer to Section 00-02.
2. Remove U-bolt assembly and rubber insulators from hanger brackets and remove muffler assembly. Slide muffler assembly rearward to disconnect it from resonator.
3. Replace any damaged parts.

**Installation**

1. Position muffler assembly and slide it onto resonator outlet pipe. Check to ensure slot in muffler and tab on resonator are fully engaged.
2. Install rubber insulators on hanger assemblies and install and tighten U-bolt to 34-46 N·m (26-33 lb-ft). Refer to illustration.
3. Check system for leaks and lower vehicle.

**Catalytic Converter, Under Engine Oil Pan****Removal**

1. Raise vehicle. Refer to Section 00-02.
2. Remove front and rear catalytic converter flange fasteners from exhaust manifolds and nut and bolt attachments at transmission.
3. Remove bolt and nut retainers at transmission case.
4. Remove two remaining nuts and bolts from catalytic converter outlet connection. Discard flex joint gasket.
5. Remove converter.

**Installation**

1. Loosely install converter to manifold connection.
2. Install bolt and nut retainers to converter and transmission.
3. Install new flex joint gasket.
4. Install converter to resonator assembly.
5. Align exhaust system to specification. Starting at front of system, tighten all nuts and bolts to specification. Refer to illustration.
6. Check system for leaks and lower vehicle.

**3.8L Multiport Fuel Injection (MFI) and 3.2L SHO****Muffler and Resonator Assembly****Removal**

1. Raise vehicle. Refer to Section 00-02.
2. Remove U-bolt assembly and rubber insulators from hanger brackets.
3. Slide assembly rearward to disconnect from flexible pipe.
4. Remove muffler and resonator assembly.

**Installation**

1. Position muffler and resonator assembly and slide forward onto flexible pipe outlet.
2. Install rubber insulators on hanger assemblies.
3. Install U-bolt and tighten to 34-46 N·m (26-33 lb-ft). Refer to illustration.
4. Check system for leaks and lower vehicle.

**Catalytic Converter, Engine Compartment****Removal**

1. Raise vehicle. Refer to Section 00-02.
2. Remove front and rear catalytic converter flange retaining nuts from exhaust manifold.
3. Remove bolt and nut retainers at transmission.
4. Remove two retaining nuts and bolts connecting catalytic converter to flexible pipe and discard flat gasket.
5. Remove catalytic converter.

**Installation**

1. Install converter to manifold connections.
2. Install bolt at transmission case.
3. Install nut at transmission case.
4. Install new flat gasket.
5. Install converter to flexible pipe.
6. Align exhaust system to specification. Starting at front of system, tighten all nuts and bolts to specification. Refer to illustration.
7. Check system for leaks and lower vehicle.

**Flexible Pipe****Removal**

1. Raise vehicle. Refer to Section 00-02.
2. Remove two retaining nuts and bolts that connect the flexible pipe to the catalytic converter flange. Remove and discard gasket.
3. Loosen U-bolt connection and slide flexible pipe from muffler / resonator inlet pipe.

**Installation**

1. Install flexible pipe into muffler / resonator inlet pipe.
2. Install new gasket.
3. Install retaining nuts and bolts to flexible pipe and converter flange.